

CLAIMS

1. An apparatus for electromagnetically isolating a computer from the surrounding environment for preventing a transfer of electrical and magnetic field energy between the computer and the environment; the apparatus comprising:

an enclosure having a plurality of metal panels having overlapping edges fastened to one another and forming an internal chamber configured for receiving a computer;

a plurality of shielding gaskets positioned along said overlapping edges across all seams and gaps between said panels; and

at least one of said panels having a plurality of ruggedized connectors for electrical connection of cables to external peripheral computer devices and for electrical connection within said enclosure to said computer.

2. The apparatus recited in claim 1 further comprising a plurality of filtered cable assemblies within said enclosure for connecting said ruggedized connectors to said computer.

3. The apparatus recited in claim 1 further comprising a plurality of brackets affixed in said internal chamber for securing said computer within said enclosure.

4. The apparatus recited in claim 3 wherein said brackets are positioned for locating said computer at a selected distance from said ruggedized connectors.

5. The apparatus recited in claim 1 wherein at least one of said panels comprises an integral air filter for allowing air flow between said internal chamber and said environment.

6. The apparatus recited in claim 1 wherein said panels are made of heavy gauge steel.

7. A computer enclosure configured for accommodating any one of a plurality of commercially available computer towers, the enclosure being used for preventing unauthorized monitoring of signals emanating from an enclosed computer tower, the enclosure comprising:

a metal housing forming an internal chamber, at least one surface of said housing having a plurality of panel-mounted connectors for attaching cables to exterior computer peripheral devices; and

a plurality of filtered cable assemblies within said internal chamber for connecting said panel-mounted connectors to a computer within said chamber.

8. The apparatus recited in claim 7 further comprising a plurality of brackets affixed in said internal chamber for securing said computer within said enclosure.

9. The apparatus recited in claim 8 wherein said brackets are positioned for locating said computer at a selected distance from said ruggedized connectors.

10. The computer enclosure recited in claim 7, said metal housing comprising at least one integral air filter for allowing air flow through said housing.

11. The computer enclosure recited in claim 7 wherein said metal housing comprises a plurality of metal panels having overlapping edges fastened to one another.

12. The computer enclosure recited in claim 11 further comprising a plurality of shielding gaskets positioned along said overlapping edges across all seams and gaps between said panels.

13. The computer enclosure recited in claim 7 further comprising a power supply filter for filtering AC power applied to a power supply within a computer in said enclosure.